

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560019

Luminaire Tested: **SDL-PA1-20-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1702.1 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U2 - G1

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

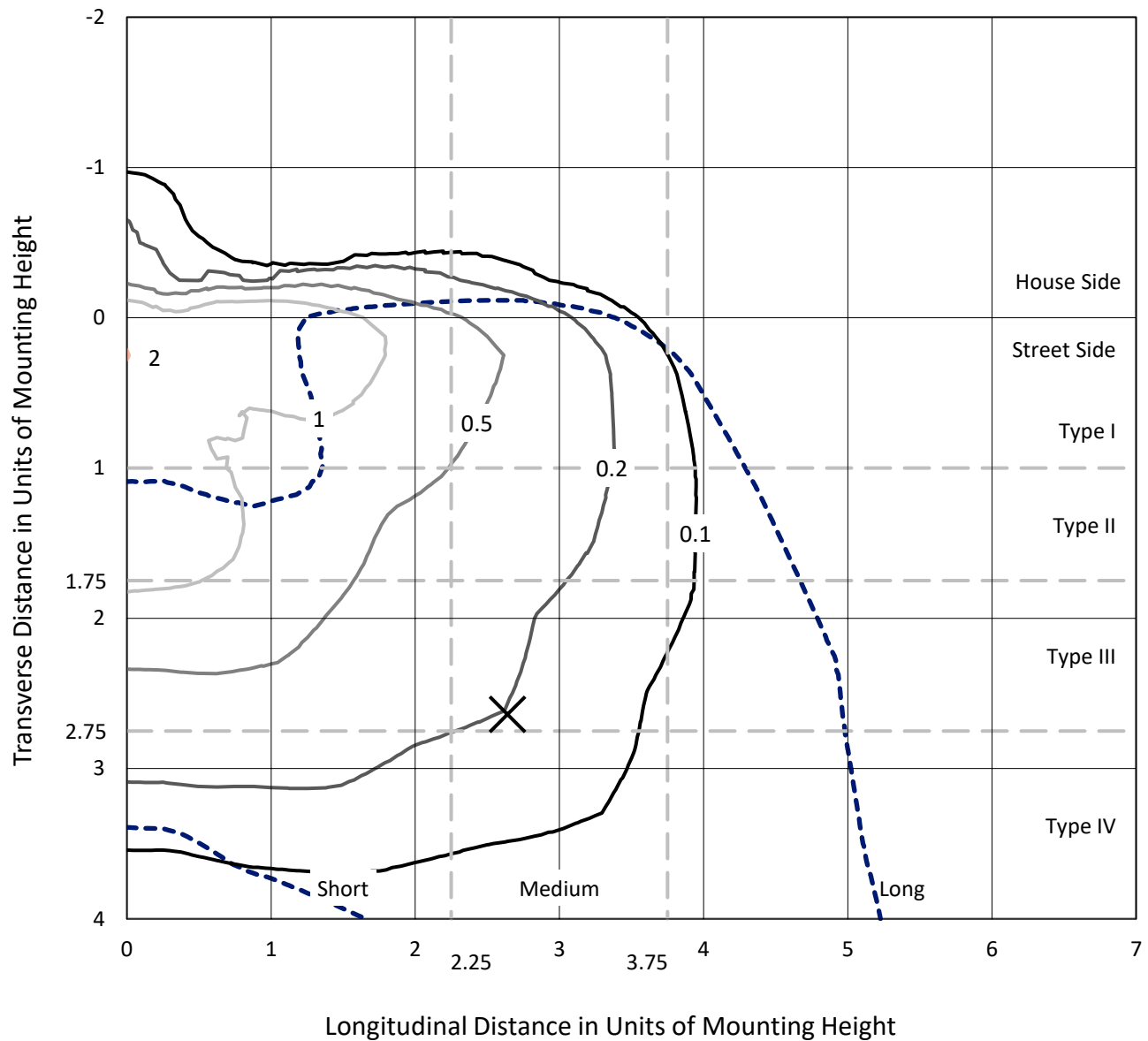


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

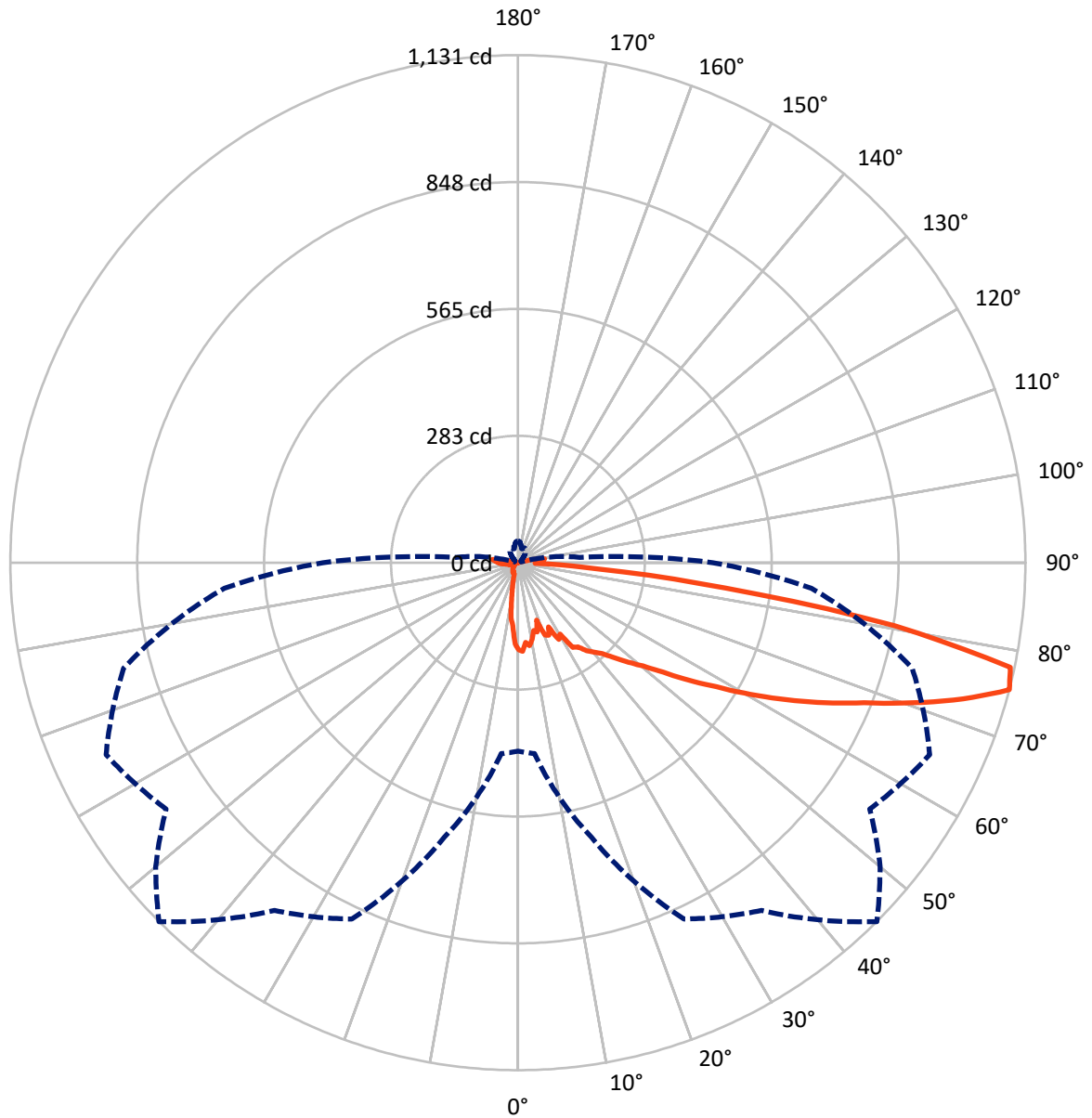


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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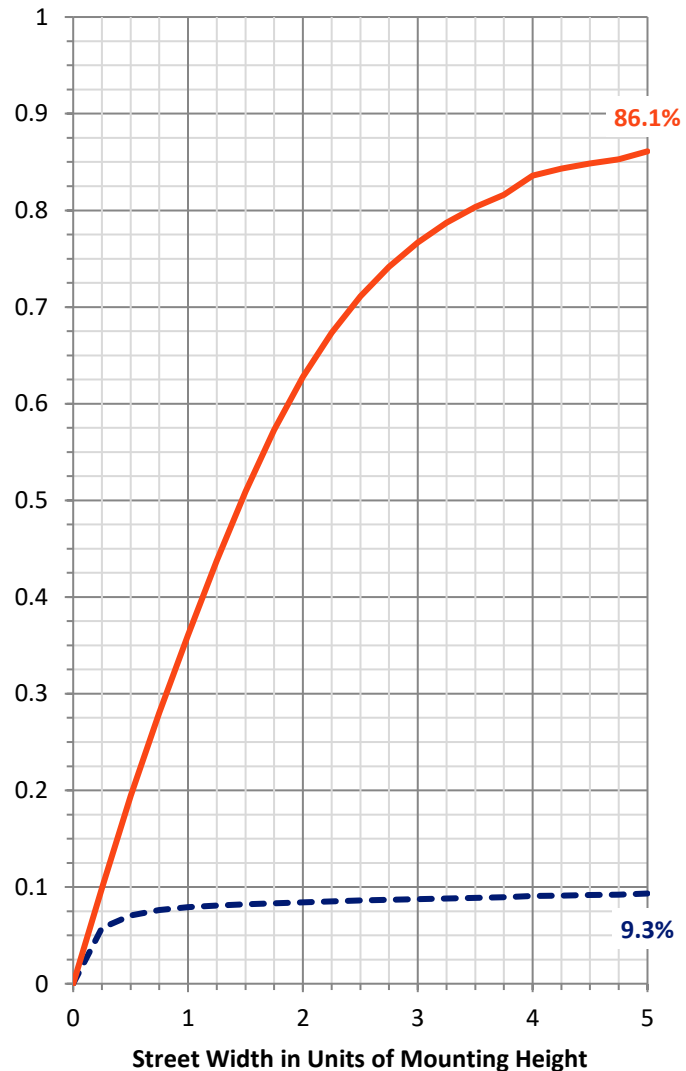
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	174.7	30.5	205.2
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1473.3	23.6	1496.9
	% Fixture	86.6	1.4	87.9
Total	Lumens	1648.0	54.1	1702.1
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.9
10°-20°	32.6	1.9
20°-30°	54.6	3.2
30°-40°	101.3	6.0
40°-50°	170.7	10.0
50°-60°	306.4	18.0
60°-70°	460.1	27.0
70°-80°	421.0	24.7
80°-90°	86.1	5.1
90°-100°	41.2	2.4
100°-110°	8.8	0.5
110°-120°	1.7	0.1
120°-130°	1.3	0.1
130°-140°	0.6	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1648.0	96.8
0°-180°	1702.1	100.0



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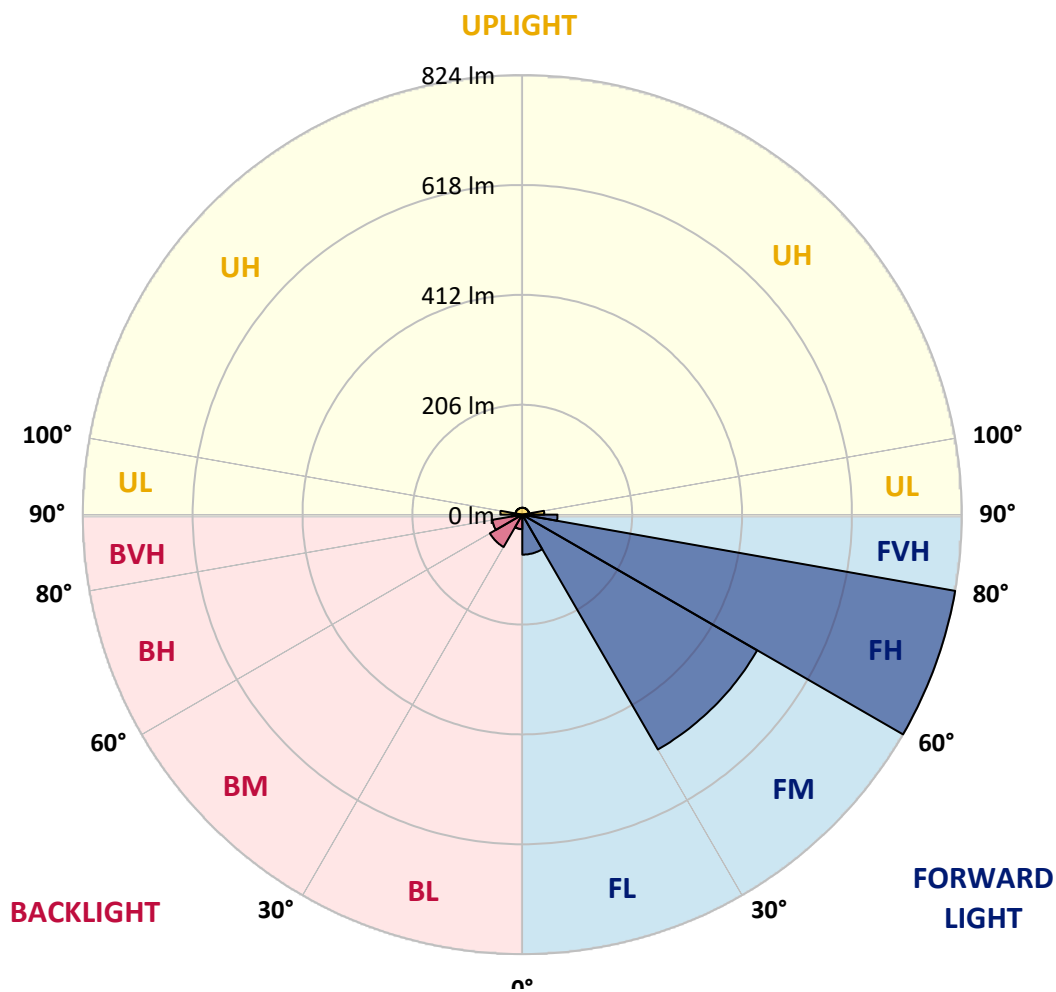
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.0	4.4			
FM	(30°-60°)	508.4	29.9			
FH	(60°-80°)	823.9	48.4			G1/1800
FVH	(80°-90°)	66.0	3.9			G1/100
BL	(0°-30°)	27.3	1.6	B0/110		
BM	(30°-60°)	70.1	4.1	B0/220		
BH	(60°-80°)	57.2	3.4	B0/110		G0/110
BVH	(80°-90°)	20.1	1.2			G1/100
UL	(90°-100°)	41.2	2.4		U2/50	
UH	(100°-180°)	13.0	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9
2.5°	188.5	197.6	194.9	199.4	198.5	197.6	197.6	198.5	197.6	195.8	193.9
5°	192.1	189.4	187.6	186.7	183.0	176.6	174.8	193.9	193.9	190.3	190.3
7.5°	197.6	197.6	193.9	191.2	191.2	182.1	178.5	169.4	166.6	166.6	166.6
10°	210.3	208.5	205.8	200.3	173.0	163.9	143.9	134.8	138.4	143.9	143.9
12.5°	213.1	212.2	208.5	207.6	182.1	128.4	143.9	137.5	114.7	127.5	127.5
15°	228.5	226.7	219.4	206.7	155.7	149.3	128.4	122.9	140.2	150.2	150.2
17.5°	194.9	194.9	218.5	200.3	169.4	133.8	149.3	134.8	125.7	124.7	124.7
20°	239.5	239.5	229.5	163.9	173.9	138.4	156.6	132.0	149.3	159.3	159.3
22.5°	199.4	198.5	205.8	203.0	166.6	142.0	143.0	157.5	134.8	115.6	115.6
25°	243.1	243.1	237.6	176.6	189.4	162.1	171.2	140.2	170.3	172.1	172.1
27.5°	209.4	208.5	198.5	202.1	176.6	147.5	161.2	172.1	183.9	202.1	202.1
30°	255.9	257.7	253.1	192.1	196.7	175.7	186.7	208.5	244.9	256.8	256.8
32.5°	316.0	317.8	269.5	231.3	197.6	188.5	205.8	239.5	256.8	269.5	269.5
35°	351.5	337.8	316.9	258.6	213.1	216.7	219.4	249.5	276.8	285.9	285.9
37.5°	381.5	363.3	338.7	266.8	224.9	225.8	229.5	270.4	295.0	306.8	306.8
40°	391.5	380.6	366.9	285.0	239.5	236.7	244.9	290.5	318.7	336.9	336.9
42.5°	416.1	417.0	408.8	310.5	254.9	254.9	260.4	316.9	351.5	377.9	377.9
45°	481.7	483.5	474.4	354.2	274.1	284.1	286.8	346.9	401.5	435.2	435.2
47.5°	565.4	559.1	550.0	412.5	303.2	317.8	315.0	382.4	467.1	497.2	497.2
50°	650.1	638.3	619.2	492.6	353.3	352.4	350.6	425.2	534.5	567.3	567.3
52.5°	738.4	729.3	689.3	568.2	427.9	395.2	405.2	480.8	609.1	639.2	639.2
55°	784.9	775.8	750.3	649.2	499.9	444.3	462.5	566.4	679.3	718.4	718.4
57.5°	823.1	820.4	808.6	733.9	587.3	504.4	521.7	634.6	744.8	791.3	791.3
60°	877.8	866.8	877.8	815.8	672.0	571.8	590.0	718.4	802.2	871.4	871.4
62.5°	916.9	914.2	936.0	907.8	743.0	638.3	655.6	792.2	863.2	950.6	950.6
65°	875.0	888.7	976.1	967.9	823.1	715.7	710.2	852.3	928.7	1035.3	1035.3
67.5°	800.4	809.5	936.9	998.9	893.2	788.5	763.0	907.8	987.9	1102.7	1102.7
70°	729.3	740.3	856.8	1000.7	926.9	874.1	826.8	963.3	1054.4	1117.2	1117.2
72.5°	672.9	682.9	787.6	978.8	938.8	967.9	894.1	1017.1	1056.2	976.1	976.1
75°	419.8	427.0	633.7	875.9	946.0	1130.9	1053.5	957.0	1012.5	909.6	656.5
77.5°	129.3	132.0	271.3	578.2	822.2	1038.9	899.6	848.6	577.3	299.6	299.6
80°	44.6	45.5	70.1	205.8	491.7	792.2	662.0	507.2	213.1	112.9	112.9
82.5°	20.9	22.8	32.8	69.2	200.3	468.0	393.3	213.1	94.7	76.5	76.5
85°	7.3	7.3	13.7	30.0	77.4	170.3	158.4	112.0	85.6	71.0	71.0
87.5°	2.7	2.7	4.6	8.2	19.1	48.3	59.2	59.2	60.1	71.9	71.9
90°	2.7	2.7	1.8	1.8	13.7	48.3	53.7	49.2	54.6	78.3	78.3
92.5°	2.7	2.7	1.8	1.8	14.6	53.7	58.3	51.9	58.3	86.5	86.5
95°	2.7	2.7	1.8	1.8	16.4	62.8	61.9	51.9	61.0	92.9	92.9
97.5°	3.6	3.6	1.8	0.9	14.6	67.4	65.6	44.6	46.4	72.8	72.8
100°	3.6	3.6	1.8	0.9	9.1	53.7	52.8	29.1	7.3	20.9	20.9
102.5°	3.6	3.6	1.8	0.9	1.8	25.5	26.4	17.3	2.7	3.6	3.6
105°	4.6	4.6	1.8	0.9	0.9	8.2	10.9	6.4	1.8	3.6	3.6
107.5°	4.6	4.6	1.8	0.9	0.9	1.8	2.7	2.7	1.8	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	3.6	3.6	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8	4.6
115°	1.8	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9	1.8	3.6
117.5°	0.9	0.9	0.0	0.9	0.0	0.9	0.9	0.9	1.8	1.8	4.6
120°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	2.7	5.5
122.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	2.7	5.5
125°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	2.7	5.5
127.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	2.7	4.6
130°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	2.7
135°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
145°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	2.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9
152.5°	1.8	1.8	2.7	0.9	0.0	0.0	0.9	0.9	1.8	0.9	0.9
155°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9
2.5°	192.1	191.2	188.5	186.7	183.9	181.2	167.5	159.3	158.4	157.5	158.4
5°	188.5	185.7	181.2	160.3	150.2	141.1	138.4	136.6	132.0	132.0	132.9
7.5°	163.0	161.2	146.6	140.2	132.0	123.8	116.5	111.1	97.4	92.9	91.1
10°	143.0	139.3	113.8	101.1	92.9	83.8	83.8	76.5	72.8	70.1	69.2
12.5°	123.8	121.1	100.2	92.0	69.2	60.1	55.5	51.0	48.3	46.4	45.5
15°	144.8	140.2	107.4	73.8	51.0	42.8	33.7	32.8	41.0	42.8	43.7
17.5°	115.6	118.4	95.6	64.6	41.9	26.4	29.1	34.6	39.2	39.2	38.2
20°	153.9	147.5	103.8	51.9	30.0	26.4	28.2	25.5	36.4	39.2	39.2
22.5°	112.0	106.5	85.6	48.3	23.7	25.5	23.7	30.0	33.7	30.0	31.0
25°	166.6	158.4	99.2	33.7	24.6	21.9	27.3	23.7	32.8	35.5	36.4
27.5°	206.7	179.4	97.4	31.9	21.9	24.6	22.8	27.3	26.4	28.2	28.2
30°	246.8	231.3	110.2	29.1	21.9	20.9	23.7	23.7	30.0	32.8	32.8
32.5°	264.1	245.8	96.5	28.2	21.9	20.9	20.9	25.5	28.2	33.7	33.7
35°	282.3	257.7	81.0	26.4	20.9	20.0	20.0	25.5	30.0	33.7	34.6
37.5°	306.8	270.4	65.6	25.5	20.0	19.1	17.3	22.8	31.9	35.5	36.4
40°	337.8	288.6	51.0	23.7	18.2	17.3	16.4	22.8	27.3	31.9	31.9
42.5°	386.1	308.7	40.1	22.8	17.3	15.5	15.5	19.1	26.4	30.0	30.0
45°	435.2	332.3	33.7	21.9	16.4	14.6	14.6	19.1	20.0	25.5	25.5
47.5°	489.9	356.0	31.0	20.9	16.4	12.7	12.7	17.3	17.3	23.7	24.6
50°	546.3	376.0	29.1	20.0	14.6	11.8	14.6	11.8	14.6	22.8	24.6
52.5°	595.5	392.4	27.3	18.2	13.7	10.9	13.7	11.8	14.6	20.9	20.9
55°	645.6	401.5	26.4	17.3	12.7	9.1	13.7	12.7	13.7	19.1	19.1
57.5°	690.2	404.3	25.5	17.3	10.9	8.2	12.7	15.5	11.8	15.5	17.3
60°	730.2	401.5	22.8	15.5	8.2	8.2	13.7	18.2	16.4	18.2	18.2
62.5°	767.6	391.5	18.2	12.7	6.4	8.2	17.3	20.0	15.5	19.1	20.9
65°	799.4	377.9	13.7	10.0	4.6	9.1	18.2	22.8	18.2	21.9	23.7
67.5°	814.0	359.7	10.9	8.2	4.6	10.0	19.1	25.5	20.9	24.6	26.4
70°	789.4	322.3	9.1	8.2	3.6	11.8	20.0	27.3	23.7	31.0	31.9
72.5°	655.6	253.1	8.2	8.2	6.4	14.6	25.5	31.0	29.1	41.9	41.0
75°	434.3	138.4	8.2	7.3	8.2	17.3	31.0	36.4	31.9	47.3	47.3
77.5°	200.3	61.0	7.3	8.2	9.1	19.1	35.5	43.7	36.4	53.7	52.8
80°	87.4	37.3	7.3	7.3	10.0	20.9	40.1	49.2	40.1	59.2	59.2
82.5°	65.6	33.7	6.4	7.3	13.7	23.7	46.4	54.6	44.6	63.7	62.8
85°	61.0	31.9	7.3	8.2	15.5	30.0	54.6	59.2	46.4	65.6	65.6
87.5°	61.9	31.0	7.3	8.2	20.9	38.2	61.9	63.7	51.0	69.2	69.2
90°	63.7	31.9	8.2	9.1	23.7	41.9	69.2	68.3	57.4	72.8	72.8
92.5°	68.3	31.9	9.1	10.0	25.5	46.4	75.6	70.1	61.9	75.6	73.8
95°	71.0	31.9	10.0	10.9	30.0	51.0	80.1	68.3	65.6	70.1	68.3
97.5°	52.8	23.7	11.8	12.7	31.0	57.4	73.8	58.3	42.8	41.9	42.8
100°	17.3	8.2	12.7	13.7	20.0	40.1	54.6	41.9	22.8	17.3	17.3
102.5°	4.6	4.6	11.8	12.7	10.9	17.3	31.9	27.3	15.5	0.9	1.8
105°	4.6	3.6	7.3	10.0	6.4	4.6	12.7	15.5	11.8	0.9	0.9
107.5°	4.6	3.6	3.6	5.5	1.8	1.8	3.6	3.6	3.6	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.5	3.6	1.8	1.8	1.8	0.9	0.9	0.9	0.9	2.7	3.6
115°	4.6	3.6	0.9	1.8	0.9	0.9	0.9	0.9	1.8	3.6	4.6
117.5°	4.6	3.6	0.9	0.9	0.9	0.9	0.9	0.9	1.8	4.6	5.5
120°	5.5	4.6	0.9	0.9	0.9	0.9	0.9	0.9	1.8	5.5	5.5
122.5°	5.5	4.6	0.9	0.9	0.9	0.9	0.0	0.9	2.7	5.5	5.5
125°	5.5	4.6	0.9	0.9	0.9	0.0	0.0	0.9	2.7	5.5	6.4
127.5°	4.6	3.6	0.9	0.9	0.9	0.0	0.0	0.9	1.8	4.6	5.5
130°	3.6	2.7	0.9	0.9	0.9	0.0	0.0	0.0	1.8	4.6	4.6
132.5°	2.7	1.8	0.9	0.9	0.9	0.0	0.0	0.0	1.8	3.6	3.6
135°	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.9	2.7	2.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
140°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110° | 4.6 4.6 1.8 1.8 0.9 0.9 0.9 1.8 1.8 4.6



110°	4.6	3.6	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8
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(END OF REPORT)